Discrete functional equations: from dynamics to fractal calculus

Jorge Buescu¹

 1 Universidade de Lisboa

In this talk we will make an overview of several topics covered in our research in discrete functional equations, starting from systems of functional equations derived from topological conjugacy problems and their explicit solutions, to compatibility conditions, fractal properties of the solutions and applications to fractal interpolation and fractal regression of real-world time series. Joint work with Cristina Serpa.